Application No.: 10/700,387 Docket No.: H0001674D1 (2929-0240P)

AMENDED CLAIM SET:

1. (currently amended) A coagulation spun structure comprising single-wall carbon nanotubes containing no binding agent or carbonaceous impurities, the structure swelling by less than about 10% in diameter when immersed in water and being produced by forming a uniform suspension in liquid of single-wall carbon nanotubes made from carbon monoxide at a pressure of at least 10 atmospheres, coagulation spinning the suspension to form the structure, submitting the structure to tension, and annealing the structure under a state of tension.

- (original) The structure of claim 1, wherein the structure comprises fiber, ribbon or yarn.
- 3. (original) The structure of claim 2, wherein the fiber, ribbon, or yarn forms a winding on a mandrel.
- 4. (original) The structure of claim 1, wherein the single-wall carbon nanotubes have an average diameter in the range of about 0.6 nm to about 0.9 nm
- (original) The structure of claim 1, wherein the structure further comprises an electromechanical actuator, a supercapacitor or a woven article.

Application No.: 10/700,387 Docket No.: H0001674D1 (2929-0240P)

 (withdrawn) The structure of claim 1, wherein the structure forms a main hydrogen storing element for a hydrogen storage device.

7. (currently amended) A fiber, ribbon or yarn comprising greater than about 90 weight percent carbon single-wall nanotubes, wherein average diameter of the single-wall carbon nanotubes is about in the range of about 0.6 nm to about 0.9 nm, wherein said fiber, ribbon or yarn is produced by (i.) forming a uniform suspension in liquid of single-wall carbon nanotubes, free of carbonaceous contaminants, made from carbon monoxide at a pressure of at least 10 atmospheres, (ii.) coagulation spinning the suspension to form the structure, (iii.) submitting the structure to tension, and (iv.) annealing the structure under a state of tension.

8. (cancelled).